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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,010	03/01/2002	Pekka Kostiainen	1030.41310X00	1138

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EXAMINER

PHU, SANH D

ART UNIT	PAPER NUMBER
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2682

DATE MAILED: 01/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/085,010

Applicant(s)

KOSTIAINEN ET AL.

Examiner

Sanh D Phu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 September 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 and 15-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 and 15-20 is/are rejected.
- 7) ☒ Claim(s) 14,21 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office Action is responsive to the Amendment filed on 9/21/04.

Claim Rejections – 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 13, 15–18 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Andrews (5,911,121), previously cited.

–Regarding to claims 12 and 15, see figures 1–4, and col. 2, line 58 to col. 4, line 22, Andrews discloses a method and an associated system of operating electrical circuitry (10) (see figure 2) included in an use exchangeable cover pad (44), also including a key board (18) and display (20), for supporting a user interface of a wireless terminal, the wireless communication terminal and the user exchangeable cover part being electrically interconnected by means of

an electrical connector (60) (see figure 3), wherein the method/system comprises:

step/means (50) (see figures 1 and 4) of identifying a type of the user exchangeable cover part (see col. 3, lines 40 to col. 4, line 22); and

step/means(12, 14) (see figure 1) of operating the electrical circuitry of the user exchangeable cover part in dependence upon the identification of the user exchangeable cover part (col. 3, lines 13–40).

–Regarding to claim 13, Andrews discloses that the connector (60) has a plurality of pins (64), and at least one of the connector pins is operated in an identification state for sensing a resistor value (R1, R2, R3) included in an identification means (50) for identifying and which is pad of the user exchangeable cover part, and afterwards is operated in an operation state operating the electrical circuitry of the user exchangeable cover pad (see figures 3 and 4, and col. 3, line 40 to col. 4, line 22).

–Regarding to claim 16, Andrews discloses that the connector includes a plurality of connector pins (64) arranged in line (52) and separated by an equal distance (see figure 4, and col. 3, lines 46–49 and 60–63).

–Regarding to claim 17, Andrews discloses that the connector pins are arranged at a rear side of the cover part (see col. 3, lines 40–44).

–Regarding to claim 18, Andrews discloses that a number of the connector pins (C1, C2, C3) is three (see figure 4).

–Regarding to claim 20, Andrews discloses that at least one of the connector pins is operated in an identification state for sensing a resistor value included in the identification means, and afterwards is operated in an operation state operating the electrical circuitry of the user exchangeable cover part (see col. 3, line 30 to col. 4, line 10).

–Regarding to claim 22, see figures 1–4, and col. 2, line 58 to col. 4, line 22, Andrews discloses an user exchangeable cover (44) (see figure 2) for releasable attachment to a wireless communication terminal (10) comprising:

an electrical connector part (60) (see figure 3) for electrically connecting to the wireless communication terminal in an attached position including identification means (50) (see figures 2 and 40) for identifying the cover pad, electrical circuitry for supporting a user interface (44) of the wireless terminal, a keyboard (18) and a display (20) (see figure 2), and

wherein the user exchangeable cover part allows the wireless communication terminal to operate the electrical circuitry of the user exchangeable cover part in dependence upon the identification means of the user exchangeable cover part (see col. 3, line 40 to col. 4, line 22).

Claim Rejections – 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Andrews.

–Regarding to claim 19, Andrews does not disclose that a number of the connector pins is five.

Andrews discloses that a number of connector pins is four, not five. However, he teach that the number of possible models of the user exchangeable cover part is 2^{N-1} , where N is a number of connector pins (the

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ground pin is not included in (N-1)) (see col. 4, lines 18-22). It would have been obvious for a person skilled in the art, within his skills and upon his design preferences or system requirement, to implement Andrews invention to have a number of connector pins being five or more so that the number of possible models of the user exchangeable cover part could be increased to $2^4 = 16$ or more for use in the wireless terminal.

Allowable Subject Matter

6. Claims 14 and 21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

7. Applicant's arguments filed on 9/21/04 have been fully considered but they are not, in part, persuasive.

Claims 14 and 21, newly added in the amendment, are now indicated as allowable.

Claims 12, 13 and 15-20, newly added in the amendment, are deemed to be rejected with reasons set forth above in this Office Action.

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanh D Phu whose telephone number is (703)305-8635. The examiner can normally be reached on 8:00-16:30.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sanh D. Phu
Examiner
Art unit 2682

SP


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